

**ABSTRACT**

The aim of this invention is to propose a process allowing the application of a spatial marking, that is to say invisible to the eye, on a support. A constraint consists in authorizing the reading of this marking by an acquisition apparatus of the image of a lower resolution.

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This aim is achieved by a generation and application process on a support of a digital spatial marking of  $X \times Y$  points according to a resolution of  $d1x$  by  $d1y$  points per surface unit, and intended to be read by a reading device with resolution  $d2x$  by  $d2y$  points by surface unit, taking into account that the ratio  $d1x/d2x$  and/or  $d1y/d2y$  is larger than 1, this process comprising the

10 following steps:

- sub-sampling of the digital spatial marking in  $X$  according to a factor  $n_x = d1x/d2x$  and in  $Y$  according to a factor  $n_y = d1y/d2y$ ,
- erosion of the points intended to be applied so as to allow one point every  $n_x$  points in  $X$  and a point every  $n_y$  points in  $Y$ ,
- application of the spatial marking on the support.

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